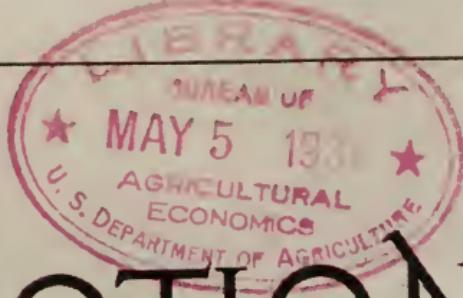


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MOTION PICTURES

of the

UNITED STATES
DEPARTMENT of
AGRICULTURE

1938



MISCELLANEOUS PUBLICATION
NUMBER 288

CONTENTS

	Page
Introduction.....	1
How motion pictures are distributed.....	1
Borrowers pay transportation.....	2
How motion pictures may be bought.....	2
New pictures.....	3
Sound pictures.....	4
Classified list of films, with descriptions.....	4
Livestock.....	4
Beef cattle.....	4
Dairy cattle.....	5
Poultry.....	5
Sheep.....	6
Swine.....	7
Crops.....	7
Field.....	7
Foreign.....	7
Fruits.....	8
Seeds.....	8
Insects and parasites.....	8
Crop insects.....	8
Pests of livestock.....	9
Miscellaneous insects.....	9
Diseases.....	10
Crop diseases.....	10
Livestock diseases.....	11
Wildlife diseases.....	11
Farm management.....	11
Dairying.....	11
Harvesting methods.....	11
Farm engineering.....	11
Clearing land.....	11
Irrigation.....	11
Soil erosion.....	12
Miscellaneous engineering.....	12
Marketing and inspection.....	12
Cooperative marketing.....	12
Poultry marketing.....	13
Statistical.....	13
Wool marketing.....	13
Miscellaneous.....	14
Federal regulation and inspection.....	14
Extension and country life.....	14
Boys' and girls' club work.....	14
Child training.....	14
Country life.....	14
Extension work.....	15
Forests.....	15
Forest management.....	15
Forest-fire prevention.....	16
Lumbering.....	16
Recreation.....	17
Reforestation.....	17
Uses of forests.....	17
Conservation.....	17
Wildlife.....	18
Birds.....	18
Fur farming.....	19
Predatory animals and rodents.....	19
Wildlife conservation.....	19
Meteorology.....	19
Forecasting.....	20
Weather conditions.....	20
Roads.....	20
Building and maintenance.....	21
Foreign.....	21
Historical.....	22
Research.....	22
Scenic.....	23
Miscellaneous.....	23
	24

UNITED STATES DEPARTMENT OF
AGRICULTURE

MISCELLANEOUS PUBLICATION NO. 288

Washington, D. C.

April 1938

**MOTION PICTURES
OF THE UNITED STATES DEPARTMENT
OF AGRICULTURE**

Prepared by Division of Motion Pictures, Extension Service

INTRODUCTION

The educational motion pictures available from the United States Department of Agriculture deal with important lines of work in which the Department and co-operating State institutions are engaged. They are used to disseminate useful information, and to assist the Department in its extension, regulatory, and administrative work. They are made to acquaint the public with the practical significance of important activities, disseminate the results of scientific investigations, and to spread knowledge of improved methods in agriculture, home economics, conservation, forestry, road building, rural engineering, and kindred subjects. These films are also designed to aid in the work of the extension and field workers of the Department and co-operating State institutions.

The number of copies of films that the Department is able to supply is inadequate to meet all requests. However, loans are made to farmers' organizations, schools, colleges, churches, theaters, and other agencies wishing to borrow films, whenever copies of the desired pictures can be made available.

HOW MOTION PICTURES ARE DISTRIBUTED

Department motion pictures are distributed in the States of Oregon, Washington, Idaho, Montana, and Wyoming by the Extension Service, State Agricultural College, Corvallis, Oreg.; in the States of California, Nevada, Utah, and Arizona by the Extension Division, University of California, Berkeley, Calif. Applications for motion pictures from those States should be addressed to the distributor serving them. Applications from other States should be addressed to the Division of Motion Pictures, Extension Service, United States Department of Agriculture, Washington, D. C. Preferably, applications should be sent through the local county agricultural agent. Field workers of the Department should send their applications through their respective bureaus.

When requesting motion pictures, applicants should state whether 35-millimeter (standard width) or 16-millimeter (narrow width), and whether silent or sound motion pictures are desired.

BORROWERS PAY TRANSPORTATION

There are no rental charges for films. Borrowers are required to pay for transportation from and to the shipping point. The western distributors make a small service charge. In all cases it is necessary that some responsible person assume responsibility for transportation charges, as well as for the safe-keeping, proper use, and prompt return of the films.

Applications for films should be made as far in advance as possible and, preferably, should specify several alternative choices of subjects and periods of time. Do not ask for a loan period longer than the time actually contemplated for the use of the picture or pictures desired. Schedules of proposed showings, or other definite information indicating the use proposed for the films, should accompany applications.

Practically all of the films are on slow-burning stock, and this stock is being used for all new subjects.

HOW MOTION PICTURES MAY BE BOUGHT

To State agricultural colleges and other distributing agencies, including public schools, farmers' organizations, development associations, and boards of trade—reputable organizations of every sort—is offered a plan of purchasing prints from Department of Agriculture negatives at relatively low cost. Under this plan individuals or organizations may be authorized by the Department to buy copies of its films from a commercial manufacturer at contract prices, the result of competitive bidding. The prices vary somewhat from year to year. Until June 30, 1938, they are approximately as follows:

35-millimeter safety stock: Sound or silent, \$22.50 per reel.

16-millimeter safety stock: Sound, \$10 per reel; silent, \$6 per reel.

Purchasers are required to pay transportation charges on new prints from the commercial manufacturer's laboratory, and in some cases they must pay for the transportation of the negative from the laboratory in Washington to the contractor. Titles in foreign languages, if desired, may be obtained at additional cost.

The conditions governing purchases are that no changes be made in the subject matter of the films without the approval of the Department, that credit to the Department be retained, and that no commercial advertising matter be added to or inserted in the films.

NEW PICTURES

Released 1937

	Page
Brick Pavements (Sound and silent)-----	21
Flood Weather (Sound)-----	20
Home Demonstration Work in the Southern States (Sound and silent)-----	15
In the Beginning (Sound)-----	24
I Pledge My Heart (Sound)-----	15
Lifesaving (Sound)-----	24
Making Paving Brick (Sound and silent)-----	21
Muddy Waters (Sound)-----	12
Salt of the Earth (Sound)-----	14
Screwworms (Sound and silent)-----	9
The CCC At Work—Lake States-----	18
The Cicada (Sound)-----	10
The National Poultry Improvement Plan (Sound)-----	6
Trout Stream Improvement (Sound)-----	17
You and Your Child (Sound and silent)-----	14

Released 1936

Dangerous Dusts (Sound)-----	12
Fire Weather (Sound)-----	20
Game Bird Farming (Sound and silent)-----	18
Screwworms (Sound and silent)-----	9
The Life of Plants (Sound)-----	24
The Norris Dam-----	12

Released 1935

Beware the Japanese Beetle-----	8
Chaparral-----	16
Flyways of Migratory Waterfowl (Sound)-----	18
Game Bird Farming (Sound and silent)-----	18
Game Management-----	19
Lest We Forget-----	16
Mosquitoes-----	10
Ovulation, Fertilization, and Early Development of the Mammalian Egg-----	24
Prevent Forest Fires (Sound):	
Trailer 1, A Good Woodsman in the Woods-----	16
Trailer 2, The Careful Fisherman-----	16
Trailer 3, How To Build a Campfire-----	16
Regulated Deer Hunting (Sound and silent)-----	20
Stop Forest Fires (Sound)-----	16
The How and Why of Bird Banding-----	18
The Will and the Way-----	15
Trail Riders of the Wilderness-----	17
Tunneling to Yosemite-----	23
We Can Take It-----	18

SOUND PICTURES

Below are listed, with reference to the page on which each is described, the sound pictures now available for distribution (35- and 16-millimeter, sound-on-film).

	Page
A B C of Forestry-----	17
An International Study of American Roads-----	22
Brick Pavements-----	21
Dangerous Dusts-----	12
Fire Weather-----	20
Flood Weather-----	20
Flyways of Migratory Waterfowl-----	18
Forest Fires—or Game-----	16
Forests and Men-----	18
4-H Club Work—What It Is, and Does-----	14
Fungi Snare and Destroy Nematodes-----	24
Game Bird Farming-----	18
Highway Beautification-----	23
Home Demonstration Work in the Southern States-----	15
Home Demonstration Work—What It Is, and Does-----	15
In the Beginning-----	24
Lifesaving-----	24
Making Paving Brick-----	21
Muddy Waters-----	12
Prevent Forest Fires:	
Trailer 1, A Good Woodsman in the Woods-----	16
Trailer 2, The Careful Fisherman-----	16
Trailer 3, How To Build a Campfire-----	16
Regulated Deer Hunting-----	20
Roads to Wonderland-----	23
Sago Making in Primitive New Guinea-----	7
Salt of the Earth-----	14
Screwworms-----	9
Stop Forest Fires-----	16
The CCC Fights Erosion-----	18
The Cicada-----	10
The Forest—and Health-----	17
The Life of Plants-----	24
The Mosquito—Public Enemy-----	10
The National Poultry Improvement Plan-----	6
The Wapiti of Jackson Hole-----	20
Trout Stream Improvement-----	17
When the Cows Come Home-----	5
You and Your Child-----	14

CLASSIFIED LIST OF FILMS, WITH DESCRIPTIONS

LIVESTOCK

(See also Pests of Livestock and Livestock Diseases)

BEEF CATTLE

Green Pastures (1 reel, silent, 35 mm and 16 mm).

Shows how and why forage on range is depleted by overgrazing and how stock should be distributed seasonally and otherwise to provide for maximum carrying capacity of a range.

Salvaging Drought Cattle in Texas (2 reels, silent, 35 mm).

Shows how the drought of 1934 affected crops and cattle in Texas, and how the drought-stricken cattle were salvaged.

Southern Cattle—Yesterday and Today (1 reel, silent, 35 mm and 16 mm).

The story of the gradual eradication of the cattle-fever tick from infested Southern States and the improvement in beef and dairy herds that has followed. Photographed in Virginia, the Carolinas, Georgia, Florida, and Mississippi.

The Cow Business (2 reels, silent, 35 mm and 16 mm).

Beef-cattle industry in the western United States, contrasting methods of the early cowman with present practice. The cutting gate, branding and vaccinating chute, dipping vat, summer range, winter-feed lots, and horse production on modern ranches. Particularly for cattlemen, but of general interest.

Related pictures:

- Cooperative Marketing—Livestock, page 13.
- In the Beginning, page 24.
- Ovulation, Fertilization, and Early Development of the Mammalian Egg, page 24.
- Screwworms, page 9.

DAIRY CATTLE

Blood Will Tell (1 reel, silent, 35 mm and 16 mm).

Shows how a campaign for better dairy sires is conducted.

When the Cows Come Home (1 reel, sound, and silent, 35 mm and 16 mm).

Discusses the work and progress of dairy-herd improvement, and illustrates studies which show factors influencing dairy production. Of general interest.

Related pictures:

- In the Beginning, page 24.
- Ovulation, Fertilization, and Early Development of the Mammalian Egg, page 24.
- Quality Milk, page 11.
- Screwworms, page 9.

POULTRY

Brooding and Rearing Chicks (2 reels, silent, 35 mm and 16 mm).

Designed to show up-to-date procedure in handling chicks in the brooder house.

Care of Baby Chicks (2 reels, silent, 35 mm and 16 mm).

Pa and Ma Stubblefield enter the early-chick business. Shows the proper care and feeding of baby chicks.

Duck Farming (1 reel, silent, 35 mm and 16 mm).

Breeds of ducks; farm flocks; commercial duck farming on Long Island.

Embryology of the Egg (1 reel, silent, 35 mm).

How the hen's fertile egg develops into the chick and the infertile egg does not. A short picturization of the beginning of life.

Layers or Loafers (1 reel, silent, 35 mm).

Characteristics that determine whether a hen should be kept or sold.
How the Jones family increased egg production by culling.

The National Poultry Improvement Plan (3 reels, sound, 35 mm and 16 mm).

Outlines the methods followed in breeding poultry for high egg production and good meat quality and in testing for the control of pullorum diseases.

Producing Quality Chicks (1 reel, silent, 35 mm).

Shows how the up-to-date hatchery safeguards its output by careful choice of breeding stock and attention to sanitation.

Turkey Business (1 reel, silent, 35 mm).

Shows where turkeys are raised for market and modern methods of feeding and management.

Related pictures:

Cooperative Marketing—Eggs and Poultry, page 12.

Marketing Live Poultry, page 13.

Preparation and Marketing of Dressed Poultry, page 13.

T. B. or Not T. B., page 11.

The Egg Marketing Industry in the United States, page 13.

Inspection and Canning of Poultry, page 13.

SHEEP**Approved Sheep Management on National Forests** (2 reels, silent, 35 mm and 16 mm).

Shows how the open-herding and one-night bedding system is carried out with burros as pack animals, and points out its advantages.

On a Thousand Hills (1 reel, silent, 35 mm and 16 mm).

How to save range pasture by deferred and rotation grazing.

Shed Lambing in the West (1 reel, silent, 35 mm).

Portrays approved methods of handling the lamb crop under range conditions.

Sheep in Psalm and Sage (1 reel, silent, 35 mm and 16 mm).

The significance of sheep to man, economically and spiritually; great flocks in the West, shown for their scenic worth and to give a general idea of the industry; the fitting use by the Psalmist of sheep as a symbol for mankind.

Related pictures:

In the Beginning, page 24.

Ovulation, Fertilization, and Early Development of the Mammalian Egg, page 24.

Screwworms, page 9.

Wool—Marketing and Manufacture, page 13.

SWINE**How To Grow Hogs** (2 reels, silent, 35 mm and 16 mm).

The picture shows points to be considered in the selection of hogs for breeding purposes, the care of the sow before and after farrowing, and the feeding and handling of pigs up to marketing time. The scenes were taken on the experiment farm of the Bureau of Animal Industry at Beltsville, Md.

Related pictures:

- Control of Worms in Hogs, page 9.
- Screwworms, page 9.

CROPS

(See also Crop Diseases and Crop Insects)

FIELD**Cassena** (1 reel, silent, 35 mm).

The story of a "strictly American cup that cheers"; development by Government effort of "a new crop for Dixie"; how the cassena (yaupon) plant is grown and may be used in making a beverage. Of general interest, particularly in South Atlantic and Gulf States.

Naturalized Plant Immigrants (3 reels, silent, 35 mm and 16 mm).

Shows important crops established and industries developed as a result of plant introduction by the Department, and how imported plants are handled to prevent the introduction of plant diseases and pests.

Soybeans at Home (2 reels, silent, 35 mm).

How the soybean is grown, harvested, and handled in shipment in its native home, Manchuria.

Related pictures:

- Corn and the Borer, page 8.
- Million Dollar Pockets, page 19.
- Routing Rodent Robbers, page 19.
- The Life of Plants, page 24.

FOREIGN**Agricultural Explorations in Ceylon, Sumatra, and Java** (2 reels, silent, 35 mm and 16 mm).

Acquaints public with little-known fruits and ornamental plants now growing in this country as a result of the work of agricultural explorers in Ceylon, Sumatra, and Java, where scenes were made.

Bamboos—The Giant Grasses of the Orient (1 reel, silent, 35 mm and 16 mm).

The economic importance of bamboos; photography made by Department explorers in the Far East.

Date Culture in Iraq (2 reels, silent, 35 mm).

Shows methods used.

Sago Making in Primitive New Guinea (1 reel, sound, 35 mm).

Shows with explanatory lecture, how sago, a starchy product similar to tapioca, is produced by the savages of New Guinea.

FRUITS**Profits From Cull Oranges and Lemons** (1 reel, silent, 35 mm).

The former great loss to the citrus-fruit industry from waste cull fruit; research work to develop uses for culls; establishment of byproduct plants—"the balance wheel of the industry"—to minimize the loss. Of general interest.

Related pictures:

- Cooperative Marketing—Dried Prunes, page 12.
- Gypsy and Brown-Tail Moths—
Control Methods, page 10.
Insect Enemies, page 10.
- John Smith v. Jack Frost, page 20.
- Million Dollar Pockets, page 19.
- Routing Rodent Robbers, page 19.
- The Japanese Beetle—
Life History, Damage, and Spread, page 9.
Methods of Control, page 9.

SEEDS**How Seeds Germinate** (1 reel, silent, 35 mm and 16 mm).

Shows the actual germination of crimson clover and spring vetch over periods of from 3 days to an entire week. These unusual slow-motion screen studies of plant growth were made by taking pictures or "frames" at intervals of 3 to 7 minutes.

Testing Seeds in Soil (1 reel, silent, 35 mm and 16 mm).

Contrasts the older methods of testing seed in blotters with the newer method of making seed-germination tests in soil. Shows in detail how the soil tests are made.

Time-Lapse Studies of Plant Growth (1 reel, silent, 35 mm and 16 mm).

Scenes of flowers opening and of seeds germinating show that time-lapse photography, because it reveals growth and action normally invisible, has vast possibilities in scientific research.

Wheat or Weeds? (1 reel, silent, 35 mm and 16 mm).

The story of wheat cleaning and the operation of wheat-cleaning machines at the thresher; what clean wheat means to the farmer; Sam Brigger finds the profits from his wheat eaten up by the dockage deductions; he learns how to "stop the leak." Of general interest to wheat growers.

Related pictures:

- Grain Grading, page 14.
- How Federal Inspection of Imported Seed Protects the Farmer, page 14.
- The Life of Plants, page 24.

INSECTS AND PARASITES**CROP INSECTS****Beware the Japanese Beetle!** (1 reel, silent, 35 mm and 16 mm).

A popular picture containing the important points of the two Japanese beetle pictures listed below and designed especially for use in public schools.

Corn and the Borer (1 reel, silent, 35 mm).

A history of the European corn-borer infestation in the United States. Quarantine and inspection methods employed to check the spread of the insect. Parasites imported to aid in control work. Badly damaged cornfields in Michigan, Ohio, and southern Ontario.

Fighting the Corn Borer With Machinery (1 reel, silent, 35 mm and 16 mm).

This picture portrays various methods of using machinery to control the corn borer. Of interest to farmers and county agents.

Hoppers (2 reels, silent, 35 mm).

Methods of grasshopper control, featuring life history and the poison-bait method, with pictures illustrative of a community campaign, including a big "mixing-bee." Of interest particularly in grasshopper-infested regions; also of general interest.

Parasites of the European Corn Borer (3 reels, silent, 35 mm).

The work of the Department in combating the corn borer by the use of imported parasites; includes scenes depicting the life habits and action of the parasites and how the parasites attack the corn borer.

Pop Goes the Weevil (3 reels, silent, 35 mm and 16 mm).

The control of the sweetpotato weevil. Prepared especially for use among the sweetpotato growers.

The Japanese Beetle—Life History, Damage, and Spread (2 reels, silent, 35 mm and 16 mm).

Shows origin and date of introduction of this pest and how to identify it; life cycle of the beetle, extent of damage done, and how the spread is determined by the use of traps. Of general interest.

The Japanese Beetle—Methods of Control (2 reels, silent, 35 mm and 16 mm).

Shows in detail all present methods used in combating the beetle, including spraying, fumigation, inspection of farm produce and nurseries, and roadside inspection to prevent spreading to uninfested areas. Of general interest.

PESTS OF LIVESTOCK

Control of Worms in Hogs (2 reels, silent, 35 mm and 16 mm).

Shows methods of control of various injurious hog parasites—thorn-headed worms, nodular worms, stomach worms, roundworms, lung-worms, and kidney worms.

Horses and Bots (2 reels, silent, 35 mm and 16 mm).

Shows the three types of botflies; how they attack horses and mules; how they render horses useless for work; also methods of treatment and how botfly-eradication campaigns are carried out. Of general interest to farmers.

Screwworms (2 reels, sound and silent, 35 mm and 16 mm).

Shows the life cycle, typical cases of infestation, and methods of control of this insect, which annually causes about 10 million dollars loss to livestock owners in the Southern States.

The Barnyard Underworld (1 reel, silent, 35 mm).

The whys and wherefores of barnyard sanitation.

MISCELLANEOUS INSECTS

Board Feet or Bored Timber? (1 reel, silent, 35 mm and 16 mm).

The wormhole borer, pinhole borer, and other insects which attack green logs and cured lumber; their habits, and methods of control. The pine sawyer, powder post beetle, lead-cable borer, ash borer, ambrosia beetle, and other insect enemies of the cut log.

Gypsy and Brown-Tail Moths—Control Methods
(1 reel, silent, 35 mm).

The story of man's fight to prevent further spread of brown-tail and gypsy moths; spraying, dusting, and other control measures.

Gypsy and Brown-Tail Moths—Insect Enemies
(1 reel, silent, 35 mm).

A description of introduced parasites of gypsy and brown-tail moths; how they are bred and distributed and how they work.

The Cicada (2 reels, sound, 35 mm and 16 mm).

The life history of the 17-year locust. Unusual cinematography of an unusual subject.

Mosquitoes (3 reels, silent, 35 mm and 16 mm).

Points out the baleful influence of mosquitoes on both human and animal life, traces their life history, and discusses methods of control. Of general interest.

The Mosquito—Public Enemy (2 reels, sound, 35 mm and 16 mm).

Discusses the mosquito as a pest affecting man and beast, varieties and life history, safeguards, and methods of control. Introduction by L. O. Howard, Chief, Bureau of Entomology, 1894-1931.

Related picture:

The CCC at Work—Mosquito Control, page 10.

The Realm of the Honeybee (4 reels, silent, 35 mm and 16 mm).

Life history of the honeybee, containing some unusual close-ups.

Why Moths Leave Home (1 reel, silent, 35 mm and 16 mm).

Shows damage done by clothes moths to fabrics, feathers, bristles, and upholstery and different methods of getting rid of this pest that costs American householders millions of dollars annually. Of general interest.

Winged Warfare (2 reels, silent, 35 mm and 16 mm).

Adapted from Harris Dickson's story, A Borgia of the Air. Designed to show the methods followed in commercial dusting of cotton by airplane for the control of the bollweevil.

DISEASES

CROP DISEASES

Banishing the Barberry (2 reels, silent, 35 mm).

Shows how Government forces operate to eradicate the common barberry which spreads the black stem rust.

Rust (2 reels, silent, 35 mm and 16 mm).

Shows how the black stem rust, spread by the common barberry, affects small grains. It is the story of a wheat farmer ruined through crop failure caused by rust.

Why Strawberries Grow Whiskers (1 reel, silent, 35 mm).

Sets forth the prime cause of loss of strawberries in transit and on the market—black mold—and suggests methods of handling to minimize loss from this fungus. Particularly for growers, but of general interest.

LIVESTOCK DISEASES

T. B. or Not T. B. (2 reels, silent, 35 mm).

Fowl tuberculosis and methods of combating a plague that is taking a high toll among the flocks of Midwestern States.

This Little Pig Stayed Home (2 reels, silent, 35 mm).

Method of control of hog cholera set forth in story form.

WILDLIFE DISEASES

Game Bird Farming (1 reel, sound and silent, 35 mm and 16 mm).

Shows how game-bird farming is conducted and how to control disease on game-bird farms.

Duck Sickness—A Menace to Western Waterfowl (2 reels, silent, 35 mm and 16 mm).

The malady that has killed millions of waterfowl and shore birds. How workers of the Biological Survey discovered the true cause of the disease and the means of controlling it.

How to Handle Foxes (2 reels, silent, 35 mm and 16 mm).

Shows approved methods of catching and holding as practiced on fox farms. Of special interest to veterinarians.

FARM MANAGEMENT

DAIRYING

Quality Milk (1 reel, silent, 35 mm and 16 mm).

Approved methods of dairying for high-quality production. Of interest to consumers of milk as well as to dairymen.

The Babcock Test (1 reel, sound, 35 mm).

This film brings us the voice of the late Stephen M. Babcock, describing how he invented the Babcock test. Made for historical record purposes.

HARVESTING METHODS

Harvesting Cotton by Sledding (1 reel, silent, 35 mm).

A short film illustrating "sledding" as developed thus far by the planters of southwestern Texas.

Haymaking (2 reels, silent, 35 mm and 16 mm).

Various methods of making hay, with special reference to the modern labor-saving systems.

FARM ENGINEERING

CLEARING LAND

Clearing Land (2 reels, silent, 35 mm and 16 mm).

Shows various methods of stump removal.

IRRIGATION

Conveying and Measuring Irrigation Water (2 reels, silent, 35 mm and 16 mm).

Covers the use of gates, flumes, and siphons in conveying irrigation water; methods of proportioning water to farmers; types of weirs (including the Parshall flume); and the value of the soil tests worked out by the Bureau of Agricultural Engineering.

Irrigation—A Brief Outline (1 reel, silent, 35 mm and 16 mm).

A general picture covering important points on irrigation. For use in public schools especially.

Irrigating Field Crops (2 reels, silent, 35 mm and 16 mm).

Up-to-date practices in the flooding, the furrow, and the corrugation methods of irrigation, subirrigation, the border method, the check method, and sprinkler systems.

Orchard Irrigation (2 reels, silent, 35 mm and 16 mm).

Up-to-date practices in orchard irrigation by contours and terracing, and by the pressure, the basin, and the overhead systems.

Prepare to Irrigate (1 reel, silent, 35 mm and 16 mm).

Designed to show irrigation farmers the use of different types of ditch-making machinery, the best location for field ditches, and the necessity for keeping ditches free from moss and weeds.

SOIL EROSION**Muddy Waters** (1 reel, sound, 35 mm and 16 mm).

A story of land use and abuse in the Southwest. Shows conditions when the white man came and how his two great industries, grazing and farming, depleted soil-binding vegetation, resulting in destruction of the soil by floods and erosion. It points the way to necessary remedial measures.

The CCC Fights Erosion (1 reel, sound, 35 mm and 16 mm).

Pictures the Civilian Conservation Corps at work on gully erosion control.

MISCELLANEOUS ENGINEERING**Dangerous Dusts** (1 reel, sound, 35 mm and 16mm).

Shows the effects of some of the most damaging dust explosions on record and stirring scenes of resulting fires; also how such explosions take place. Outlines preventive measures.

The Norris Dam (3 reels, silent, 35 mm and 16 mm).

Shows in detail the construction of one of the Government's great projects to develop the water and other natural resources of the Tennessee River watershed.

MARKETING AND INSPECTION**COOPERATIVE MARKETING****Cooperative Marketing—Dried Prunes** (2 reels, silent, 35 mm and 16 mm).

Shows what has been accomplished by cooperative organizations and gives, in detail, every important step in picking, packing, and marketing prunes. Of interest to growers, cooperative officials, dealers, and consumers.

Cooperative Marketing—Eggs and Poultry (3 reels, silent, 35 mm and 16 mm).

Gives a comprehensive idea of the poultry industry on the Pacific coast and of the methods used by cooperative associations in handling and marketing eggs and poultry. Of general interest to poultrymen and consumers.

Cooperative Marketing—Livestock (2 reels, silent, 35 mm and 16 mm).

Methods followed by farmers' cooperative organizations in handling sales of livestock.

Cooperative Wool From Fleece to Fabric (3 reels, sound, 35 mm and 16 mm).

Shows how wool is handled in marketing by cooperative wool marketing associations; also wool production activities on range and farm.

Marketing Cotton (2 reels, silent, 35 mm and 16 mm).

Methods followed by the cooperative cotton-marketing associations of the South, showing the progress of the grower's bale from the gin to the mill, or to the seaboard for export shipment. Designed particularly for members of cotton-marketing associations.

Related picture:

Farm Women's Markets, page 14.

POULTRY MARKETING

Inspection and Canning of Poultry (1 reel, silent, 35 mm).

The methods used in canning whole chicken and various chicken products from the time the poultry is received at the cannery until it is cooked, labeled, and packed; also shows in detail the new method of marketing full-drawn poultry.

Marketing Live Poultry (1 reel, silent, 35 mm and 16 mm).

Points out the necessity for culling on the farm; contrasts old marketing methods with the modern; shows care of live poultry en route to market; Government inspection of poultry; marketing and killing and dressing in city slaughterhouses. Of general interest.

Preparation and Marketing of Dressed Poultry (2 reels, silent, 35 mm and 16 mm).

Methods of grading live poultry at country feeding stations; methods of feeding and care of feeding room; picking, precooking, and packing; a short synopsis of the Long Island duck industry; the cold storage of poultry; Government grades for dressed poultry.

The Egg Marketing Industry in the United States (2 reels, silent, 35 mm).

This picture shows every step in egg marketing from the time the eggs are gathered by the poultryman, through the marketing channels, until they reach the consumer's breakfast plate.

STATISTICAL

What's Ahead? (2 reels, silent, 35 mm).

Portrays methods followed in preparing the agricultural outlook and presenting it to the farmer.

WOOL MARKETING

Wool—Marketing and Manufacture (3 reels, silent, 35 mm).

The handling of wool from the fleece to the finished fabric. Covers the whole process of manufacture. Of interest to the general public.

MISCELLANEOUS

Farm Women's Markets (1 reel, silent, 35 mm and 16 mm).

Shows how a large farm women's market is managed to the advantage of both producer and consumer.

FEDERAL REGULATION AND INSPECTION

Canned Lima Beans (2 reels, silent, 35 mm and 16 mm).

Shows the various steps in canning beans in a modern cannery and how the Government inspects and grades beans under Federal grades. Teaches the housewife the differences among the three grades found in grocery stores.

Grain Grading (2 reels, silent, 35 mm).

Methods of procedure followed in inspection and grading of grain.

How Federal Inspection of Imported Seed Protects the Farmer (2 reels, silent, 35 mm).

Gives a brief history of the origin of the Federal Seed Act, which is designed to protect the farmers of the United States from losses due to poor seeds and to foreign weeds. Shows how the act is enforced and how purity and germination tests are made.

EXTENSION AND COUNTRY LIFE**BOYS' AND GIRLS' CLUB WORK**

Carry On! (2 reels, silent, 35 mm and 16 mm).

Tom West's experiences at the national encampment of 4-H clubs.

The Club College—Farm and Home (1 reel, silent, 35 mm and 16 mm).

The short courses for farm boy and girl club members at Washington State College and the University of Idaho. The relationship of an agricultural education to practical farming and homemaking.

4-H Club Work—What It Is, and Does (3 reels, sound, 35 mm and 16 mm).

A lecture film presenting the fundamentals of 4-H club work. Designed primarily for adult audiences.

Under the 4-H Flag (4 reels, silent, 35 mm and 16 mm).

Film based on John F. Case's novel of the same name.

CHILD TRAINING

You and Your Child (2 reels, sound and silent, 35 mm and 16 mm).

Shows how parents studying together with the cooperation of the Extension Service meet everyday situations in the home to produce a satisfying family life.

COUNTRY LIFE

Salt of the Earth (2 reels, sound, 35 mm and 16 mm).

The farmer and the farm, as the basis of our civilization, and their contribution to national wealth and the body politic. Of general interest.

The Master Farmer (2 reels, silent, 35 mm and 16 mm).

The master-farmer movement as exemplified by results in Oklahoma; scenes illustrating the farming and home life of farmers who have made a success of farming in the fullest sense of the word.

The Will and the Way (2 reels, silent, 35 mm and 16 mm).

A story of remodeling and modernizing an 80-year-old farmhouse.

EXTENSION WORK**Home Demonstration Work in the Southern States** (2 reels, sound and silent, 35 mm and 16 mm).

Shows important phases of the work in the South.

Home Demonstration Work in the Western States (2 reels, silent, 35 mm and 16 mm).

Portrays the more important phases of the work in the West.

Home Demonstration Work—What It Is, and Does (2 reels, sound and silent, 35 mm and 16 mm).

The scope of home demonstration work; representative scenes in various parts of the country.

I Pledge My Heart (1 reel, sound, 35 mm and 16 mm).

Historic shrines, impressive structures, and picturesque spots of the National Capital as seen through the eyes of the National 4-H Club Camp delegates.

Related picture:

Farm Women's Markets, page 14.

FORESTS

(See also Tree Diseases)

FOREST MANAGEMENT**New Woods for Old** (2 reels, silent, 35 mm and 16 mm).

Shows how a farm woodland of eastern hardwood should be handled as a crop. John Wendell follows the forester's advice and gets a new barn and other improvements out of profits from his woodlands.

Two Generations (4 reels, silent, 35 mm and 16 mm).

The handling and utilization of woodlands. Prepared especially for use in the hardwood sections of the South.

Related pictures:

Porcupine Control in the Western States, page 19.
Building Forest Roads, page 21.

Board Feet or Bored Timber?, page 9.

Approved Sheep Management on National Forests, page 6.

Big Game and the National Forests, page 19.

Building Truck Trails in the National Forests, page 21.

FOREST-FIRE PREVENTION**Chaparral** (2 reels, silent, 35 mm and 16 mm).

Sets forth the value of chaparral cover on watersheds in relation to the all-important water-supply problem of southern California.

Forest Fires—or Game? (1 reel, sound and silent, 35 mm and 16 mm).

Unburned forests are a home for game birds and animals, and forest streams a home for fish, but forest fires and unrestricted hunting and fishing make restocking with game and fish necessary. The picture is of interest to those who use our forests for recreation.

Friends of Man (4 reels, silent, 35 mm and 16 mm).

A story picture designed to discourage the practice of "burning off." Includes spectacular scenes of forest fires.

Good Turns for Our Forests (1 reel, silent, 35 mm and 16 mm).

How the Boy Scouts of America are aiding forest conservation through preventing forest fires. A Boy Scout pageant in Washington; miscellaneous scenic views from various national forests; and forest-fire scenes.

It Might Have Been You (1 reel, silent, 35 mm and 16 mm).

Portrays a disastrous forest fire that in 7 hours destroyed over 23,000 acres of timber and 25 ranch houses and rendered over 100 people homeless—all due to the carelessness of a ranch hand. Shows what the Forest Service is doing to prevent such a catastrophe. Of general interest.

Lest We Forget (1 reel, silent, 35 mm and 16 mm).

The story of the Pickens Canyon fire and the Montrose flood in southern California.

**Prevent Forest Fires—Trailer No. 1,
A Good Woodsman in the Woods** (1/10 reel, sound
35 mm and 16 mm).**Prevent Forest Fires—Trailer No. 2,
The Careful Fisherman** (1/5 reel, sound, 35 mm
and 16 mm).**Prevent Forest Fires—Trailer No. 3,
How To Build a Campfire** (1/5 reel, sound, 35 mm
and 16 mm).**Stop Forest Fires!** (1 reel, sound, 35 mm and 16 mm).

An appeal for care with fire in the woods. Striking scenes of forest fire fighting; death toll of large forest fires; and damage to forests, wildlife, and soil.

Unburned Woodlands (1 reel, silent, 35 mm and 16 mm).

A companion picture to Forest Fires—or Game? Of interest to campers and nature lovers.

What Price Fire? (2 reels, silent, 35 mm and 16 mm).

A forest-fire film made in California and especially applicable to the west coast. It shows that when forests are destroyed by fire, game and fish are also destroyed, and vacation grounds and the business enterprises dependent upon their use are ruined.

Related picture:
Fire Weather, page 20.

LUMBERING

Harvesting Uncle Sam's Timber (2 reels, silent, 35 mm and 16 mm).

Disposal of mature timber in the national forests—how the Forest Service supervises logging operations to insure the perpetuation of the forest.

Marking Timber (2 reels, silent, 35 mm and 16 mm).

The fundamentals of timber marking, using western yellow pine in the Black Hills as an example. Primarily for students of forestry, but of interest generally from the standpoint of forest conservation.

Timber-r-r! (1 reel, silent, 35 mm and 16 mm).

Timber growing and logging practice in the California pine region. The lesson taught is that forests must be rightly used and kept productive if the timber industry is to be perpetuated.

RECREATION

Trail Riders of the Wilderness (1 reel, silent, 35 mm and 16 mm).

The record of an American Forestry Association tour of the primitive areas of the Flathead and Lewis and Clark National Forests in western Montana.

Trout Stream Improvement (1 reel, sound, 35 mm and 16 mm).

Shows types of structures and control means used to restore trout streams, and the rearing and planting of trout. Step-by-step construction of dams, deflectors, and covers in flat-country streams with reasons for use and effect on streams.

REFORESTATION

A B C of Forestry (1 reel, sound and silent, 35 mm and 16 mm).

Teaches the fundamentals of tree growth and good forestry practices. Of general interest.

USE OF FORESTS

Forests and Streams (1 reel, silent, 35 mm and 16 mm).

To teach the importance of protecting the forest soil and maintaining its water-storage capacity.

How Forests Serve (1 reel, silent, 35 mm and 16 mm).

Designed to teach the values of the forest to mankind and the importance of proper management of the forest.

The Forest—and Health (1 reel, sound and silent, 35 mm and 16 mm).

How the forest ministers to the spiritual and physical health of mankind. Of general interest.

Related picture:
Building Forest Roads, page 21.

CONSERVATION

Forests and Men (1 reel, sound, 35 mm and 16 mm).

The work of the Civilian Conservation Corps. Portrays representative activities throughout the country. A lecture picture.

The CCC at Work—Arizona (1 reel, silent, 35 mm and 16 mm).

A short film on various phases of Civilian Conservation Corps work.

The CCC at Work—Colorado, Wyoming, and South Dakota (1 reel, silent, 35 mm and 16 mm).

Various phases of Civilian Conservation Corps work.

The CCC at Work—Lake States (2 reels, silent, 35 mm and 16 mm).

Activities in the national forests of the Lake States, such as nursery operations, reforestation, recreational developments, disease and inspection control, and fire detection and suppression.

The CCC at Work—Montana and Idaho (1 reel, silent, 35 mm and 16 mm).

Various phases of Civilian Conservation Corps work.

The CCC at Work—Oregon and Washington (1 reel, silent, 35 mm and 16 mm).

Various phases of Civilian Conservation Corps work.

The CCC at Work—Utah and Southern Idaho (1 reel, silent, 35 mm and 16 mm).

Various phases of Civilian Conservation Corps work.

The CCC at Work—Mosquito Control (1 reel, silent, 35 mm and 16 mm).

Shows the digging of ditches to provide quick run-off of out-going tide-water in salt-marsh lands of Delaware. Airplane views of marsh-lands after they have been ditched.

The CCC Fights Erosion (1 reel, sound, 35 mm and 16 mm).

The Civilian Conservation Corps at work on gully erosion control.

We Can Take It (2 reels, silent, 35 mm and 16 mm).

The work of the Civilian Conservation Corps in California.

WILDLIFE

(See also **Wildlife Diseases**)

BIRDS

Flyways of Migratory Waterfowl (1 reel, sound, 35 mm and 16 mm).

A record of studies showing that migrations of waterfowl are made over four well-defined routes.

Game Bird Farming (1 reel, sound and silent, 35 mm and 16 mm).

How to raise game birds; emphasis on disease control.

The How and Why of Bird Banding (2 reels, silent, 35 mm and 16 mm).

A record of bird-banding activities—how done, why, and results.

FUR FARMING**Beaver Farming** (1 reel, silent, 35 mm and 16 mm).

Shows methods of handling beavers, both in pens and in fenced preserves.

Beavers at Home (2 reels, silent, 35 mm and 16 mm).

Beavers at work repairing dams and felling trees; beaver houses; studies of baby beavers. Of general interest.

How to Handle Foxes (2 reels, silent, 35 mm and 16 mm).

Shows approved methods of catching and holding as practiced on fox farms. Of special interest to veterinarians.

Rabbit Farming (2 reels, silent, 35 mm and 16 mm).

Breeds of domestic rabbits; rabbitries of various types; possibilities of rabbits for meat and fur.

PREDATORY ANIMALS AND RODENTS**How to Get Rid of Rats** (1 reel, silent, 35 mm and 16 mm).

Various methods of rat control. Some unusual views of wild rats in action.

Million-Dollar Pockets (2 reels, silent, 35 mm and 16 mm).

The pocket gopher, its habits, damage to the alfalfa crop, and methods of control.

Porcupine Control in the Western States (2 reels, silent, 35 mm and 16 mm).

Shows physical characteristics of the porcupine and why the quills are so dangerous to livestock; migrations; great damage done especially to young trees in our national forests; how to mix poison bait and apply it in "rest" trees, dens, etc. Of general interest.

Routing Rodent Robbers (2 reels, silent, 35 mm and 16 mm).

Shows why and how cooperative control of ground squirrels and prairie dogs is conducted.

The Cougar Hunt (1 reel, silent, 35 mm and 16 mm).

Methods followed by Government hunters in predatory-animal control work, with special reference to the mountain lion.

WILDLIFE CONSERVATION**Big Game and the National Forests** (1 reel, silent, 35 mm and 16 mm).

Brings out the relation of the national forests to the preservation of big game and discusses management problems. Deer, moose, elk, antelope, bison, and bighorn are shown in the wild. Of general interest.

Forest Fires—or Game? (1 reel, sound and silent, 35 mm and 16 mm).

Unburned forests are a home for game birds and animals, and forest streams a home for fish, but forest fires and unrestricted hunting and fishing make restocking with game and fish necessary. The picture is of interest to those who use our forests for recreation.

Game Management (2 reels, silent, 35 mm and 16 mm).

An exposition of the need for and methods employed in managing deer on the Kaibab National Forest, Ariz.

Our Wildlife Resource (2 reels, sound and silent, 35 mm and 16 mm).

Shows what is being done to preserve our birds and mammals. Many forms of wildlife, ranging from quail and ducks to moose and grizzly bears, are shown in their natural habitat, and factors influencing their diminution are brought out. The pathetic last living specimen of the heath hen is brought to the screen in this picture. Of general interest.

Regulated Deer Hunting (2 reels, sound and silent, 35 mm and 16 mm).

Shows damage done by deer when they become too numerous, and how they are removed by trapping, artificial rearing and shipping of fawns, and by regulated hunting on the Pisgah National Forest and Game Preserve in North Carolina. Of general interest, but especially for sportsmen.

The Wapiti of Jackson Hole (1 reel, sound, 35 mm and 16 mm).

The story of the elk. Striking views of the great herd of the Jackson Hole country. A lecture picture.

What Price Fire? (2 reels, silent, 35 mm and 16 mm).

A forest-fire film made in California and especially applicable to the west coast. It shows that when forests are destroyed by fire, game and fish are also destroyed, and vacation grounds and the business enterprises dependent upon their use are ruined.

Why Save the Elk? (1 reel, silent, 35 mm and 16 mm).

A plea for the maintenance of the American elk herd. Scenes made in the Jackson Hole country.

Related pictures:

- It Might Have Been You, page 16.
- Trout Stream Improvement, page 17.

METEOROLOGY

FORECASTING

Exploring the Upper Air (1 reel, silent, 35 mm and 16 mm).

Flights by Weather Bureau meteorologists in airplanes, dirigibles, and free balloons to study upper-air conditions for weather forecasting.

Fire Weather (2 reels, sound, 35 mm and 16 mm).

Shows how the United States Weather Bureau gathers forest-fire weather data and distributes warnings of fire hazards.

Flood Weather (3 reels, sound, 35 mm and 16 mm).

Weather forecasting for river navigation and flood protection. Features the Potomac and Ohio River floods.

WEATHER CONDITIONS

John Smith v. Jack Frost (2 reels, silent, 35 mm).

Orchard heating, with particular reference to frost protection in citrus groves. Of especial interest in southern California, but applicable to all orchard sections.

ROADS**BUILDING AND MAINTENANCE****A Road out of Rock** (1 reel, silent, 35 mm and 16 mm).

How engineers and road builders overcome huge obstacles to construct a modern highway through Glacier National Park. Details of construction of a road which now brings the magnificent "Garden Wall", picturesque Lake McDonald, and other scenic wonders of the park within easy reach of the tourist.

Building Forest Roads (1 reel, silent, 35 mm and 16 mm).

Men and machinery at work in the national forests, pushing good highways through the great mountains and woodlands. Of general interest.

Building the Mount Vernon Memorial Highway (2 reels, silent, 35 mm and 16 mm).

Shows how the highway was constructed from the beginning to the completion of operations, including the dedication exercises. Of general interest.

Building Truck Trails in the National Forests (1 reel, silent, 35 mm and 16 mm).

Lowering the cost of constructing truck trails in national forests by the employment of modern machines.

Granite Block Paving (1 reel, silent, 35 mm).

From the quarry to the finished pavement in large cities. Of general technical interest.

Hot-Mixed Bituminous Pavements (1 reel, silent, 35 mm).

The essential features in the design and construction of "hot-mixed" bituminous surfaces, including coarse-aggregate asphaltic concrete, fine-aggregate asphaltic concrete, and sheet asphalt.

Brick Pavements (2 reels, sound and silent, 35 mm and 16 mm).

Shows how brick pavements are constructed.

Low-Cost Road Surfaces—Second Stage (1 reel, silent, 35 mm).

Shows that some form of surface treatment usually is necessary on low-cost surfaces where the traffic exceeds 500 vehicles per day. Describes the construction operations for the representative bituminous surface treatments as used in Florida, Tennessee, and South Carolina.

Making Paving Brick (1 reel, sound and silent, 35 mm and 16 mm).

Shows the progress of clay from the time it is taken from the deposit until it is made into the finished product.

Mixed-in-Place Bituminous Surfaces (2 reels, silent, 35 mm).

The methods employed in the construction of the mixed-in-place bituminous surfaces in the far Western States, the alternate "plant-mixed" type as used in California and the retread surface as developed in Indiana and other Middle Western States.

Maintenance of Roads (2 reels, silent, 35 mm and 16 mm).

Emphasizes the importance of keeping roads in good condition and shows some of the ways in which it may be done. Points out that adequate maintenance tends to make roads safer for traffic, reduces the upkeep cost of roads and also the operating cost of motor vehicles.

The Men Who Build the Roads (1 reel, silent, 35 mm and 16 mm).

A tribute to the courage and ingenuity of the builders of our mountain highways; glimpses of the builders engaged in the task of penetrating the rocky barriers of Glacier National Park with a modern road.

The Road Goes Through (1 reel, silent, 35 mm).

How the western road builder overcomes barriers to transportation and builds the modern roads of our national-forest and Federal-aid highway systems.

FOREIGN

Highway Glimpses of Colombia and the Dutch West Indies (1 reel, silent, 35 mm).

Street and rural road scenes in the vicinity of Puerto Colombia and Barranquilla in Colombia and traffic at Willemstad on the island of Curacao in the Caribbean Sea. Of general interest.

Highway Glimpses of Trinidad (1 reel, silent, 35 mm).

The superb highway system of the island, the natural bituminous deposit of Asphalt Lake which is the source of material for many streets and roads in the United States, and typical road-construction scenes. Of general interest.

Highways of Argentina (1 reel, silent, 35 mm).

A sightseeing tour of the wealthy capital of Buenos Aires over its broad avenues, an inspection trip of the rural road construction in the Provinces of Cordoba, Santa Fe, and Entre Rios. Of general interest.

Highways of Peru (2 reels, silent, 35 mm and 16 mm).

The remains of the early highway system laid out by the Incas, the modern highway system under construction following the plan of the Incas, and the great natural obstacles to road construction. Of general interest.

Highways of Uruguay (1 reel, silent, 35 mm).

The well-paved and lighted avenues of Montevideo, the roads radiating into the agricultural and cattle-raising regions, the new road under construction from Montevideo to Colonia, and characteristic scenes of the country. Of general interest.

HISTORICAL

An International Study of American Roads (6 reels, sound, 35 mm and 16 mm).

Designed to illustrate the many types of highways in the United States, their use, and service to the country. It shows highway-construction methods and machinery, types of automobile traffic, and the significance of our extensive highway system to town and country. The picture is scored to music by the United States Marine Band.

Travelers' Toll (3 reels, silent, 35 mm).

Shows how the public pays for good roads; how the gasoline tax serves the same purpose as the turnpike toll.

RESEARCH**America's Great Bridge Test** (1 reel, silent, 35 mm).

A technical study of the tests made to determine the strength of a modern reinforced-arch bridge; made on the Swift Island Bridge over the Peepee River in North Carolina.

Impact of Traffic on Roads (1 reel, silent, 35 mm).

Test made by the Bureau of Public Roads to determine accurately the effect on highways of the pounding tendencies of motor-vehicle wheels. Many tests in detail. Of special interest to road engineers.

SCENIC**Highway Beautification** (2 reels, sound and silent, 35 mm and 16 mm).

Suggests ways to preserve and enhance the beauty of roadside plant material and otherwise beautify highways, and add to the safety and comfort of travel by elimination of obstructions interfering with vision and the removal of eyesores. Recommendations are made concerning construction scars, steep banks, scenic lookouts, guard rails, automobile camps, bridges, etc.

Historic Scenes Along the Mount Vernon Memorial Highway (1 reel, silent, 35 mm and 16 mm).

Contains views of many historic colonial homes and public buildings, and the reenactment of colonial events. Of general interest.

New Roads in Rainier (1 reel, silent, 35 mm and 16 mm).

A picturization of the work performed by the Bureau of Public Roads in improving the highways that make the natural wonders of Mount Rainier National Park so easily accessible to the public. Majestic Mount Rainier, with its perpetual ice-capped peak and the 28 glaciers which clothe its sides, offers a scenic background of unusual beauty for this film.

Roads in Our National Parks (1 reel, silent, 35 mm and 16 mm).

A panorama of the service performed by the Bureau of Public Roads in constructing modern highways in our western national parks. The scenic wonders of Yosemite, Glacier, Rocky Mountain, Mount Rainier, Mount Lassen, and Mesa Verde National Parks make this film one of unusual beauty and interest.

Roads to Wonderland (1 reel, sound and silent, 35 mm and 16 mm).

Scenic spots reached by roads that are being built by the Federal, State, and county governments: Mount Hood in the Oregon National Forest, Crater Lake in Crater Lake National Park, and Yosemite National Park. Of general interest.

Rocky Mountain Park Roads (1 reel, silent, 35 mm and 16 mm).

The construction of the new road into Colorado's famous national park under the supervision of the Bureau of Public Roads engineers. Long's Peak, 14,225 feet above sea level, the Continental Divide, and picturesque Fall River Canyon, reached by this new highway, provided scenic material for the cameraman.

Tunneling to Yosemite (2 reels, silent, 35 mm and 16 mm).

How the Wawona Tunnel in the Yosemite National Park was constructed; also unusual scenic views of the Yosemite National Park.

Yosemite's New Roads (1 reel, silent, 35 mm and 16 mm).

The planning and building of new roads into the Yosemite National Park, by the engineers of the Bureau of Public Roads. Yosemite Falls, 2,350 feet, highest in the world, El Capitan, and the exquisite beauty of the Yosemite "back country" feature the scenic views included in this film.

MISCELLANEOUS

Food Makes a Difference (2 reels, silent, 35 mm).

The results of proper nutrition for children; how laboratory tests are conducted to determine the effects of various foods; development and growth of flesh and bone. Of especial interest to parents and teachers.

Fungi Snare and Destroy Nematodes (1 reel, sound, 35 mm and 16 mm).

Discloses under the microscope how certain fungi catch and devour nematodes in the complicated process by which organic matter is broken down to enrich the soil.

In the Beginning (2 reels, sound, 35 mm and 16 mm).

Portrays the mysterious prologue to life—the ovulation, fertilization, and early development of the mammalian egg, scenes of spermatozoa attacking the ovum, and remarkable time-lapse cinemicrographs of cell division in the fertilized egg.

Lifesaving (2 reels, sound, 35 mm and 16 mm).

Depicts and explains the requirements, adaptation, personal safety, approaches, carries, releases, shallow-water carries, and resuscitation by the Schafer method. Many views taken under water.

Ovulation, Fertilization, and Early Development of the Mammalian Egg (2 reels, silent, 35 mm and 16 mm).

Cinemicrographs of ovulation, of spermatozoa attacking the ovum, and cell division in the fertilized egg.

The Life of Plants (2 reels, sound, 35 mm and 16 mm).

Shows by slow-motion photography how seeds germinate and how roots, stems, leaves, and flowers develop.

The Story of the Blue Crab (3 reels, silent, 35 mm and 16 mm).

Discusses the life history, distribution, and food value of the blue crab.

The U. S. Department of Agriculture—Its Field and Services (1 reel, silent, 35 mm and 16 mm).

Discusses the major activities of the Department and points out their significance. Of general interest.

